NASA Glenn Success Stories

# Discovering Possibilities in Renewable Energy and Sustainable Development

***Lac Courte Oreilles Ojibwa Community College (LCOOCC)***
***Hayward, WI***

## TECHNOLOGY

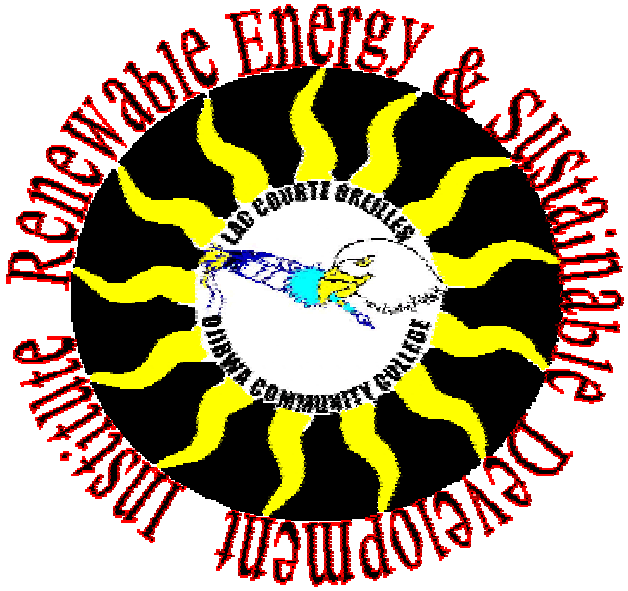
NASA Glenn and LCOOCC have teamed up to establish the Renewable Energy Sustainable Development Institute (RESDI) on the Lac Courte Oreilles Reservation. RESDI will provide a focal point in the region for renewable energy/ sustainable development educational resources.

## COMMERCIAL APPLICATION

- NASA Glenn will perform renewable energy system design and hardware identification and selection
- A renewable energy capability survey of the reservation will be conducted along with research and demonstration projects
- A curriculum for a degree program in the fields of renewable energy/sustainable development will be established
- RESDI serves as a test bed for renewable energy technologies

## SOCIAL / ECONOMIC BENEFIT

- NASA Glenn has furthered its commitment to education by responding to the Department of Energy's Broad Based Solicitation for tribal colleges and universities to conduct feasibility studies for the development of renewable energy technology
- Investigating the feasibility of renewable energy technology will educate students and their communities about the potential of solar and wind power, as well as regenerative fuel cell energy storage




***RESDI will discover the possibilities of solar power, wind power, and regenerative fuel cell energy storage.***

## NASA APPLICATIONS

- RESDI helps NASA to further investigate renewable energy technologies and sustainable development

NASA Contact: Mark Hoberecht
Company Contact: Steve Kozak
Date of Technology: July 2001